

IN THE SPECIFICATION

Please delete the title of the application and insert therefore:

--HIGH THROUGHPUT FLUORESCENCE-BASED SCREENING FOR
NOVEL ENZYMES--.

IN THE CLAIMS

Please enter claims 19 and 30 as rewritten below.

19. (Amended) A method for identifying a bioactivity or biomolecule of interest using high throughput screening of DNA comprising:

- E1
- a) contacting a bioactive substrate that is fluorescent in the presence of the bioactivity or biomolecule of interest with a library containing a plurality of clones containing DNA from at least one organism;
 - b) screening the library with a fluorescent analyzer that detects bioactive fluorescence, and
 - c) identifying clones detected as positive for bioactive fluorescence, wherein fluorescence is indicative of DNA that encodes a bioactivity or biomolecule of interest.
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E2 30. (Amended) The method of claim 19, wherein the bioactive substrate comprises staining reagent C12-fluorescein-di-D-galactopyranoside (C12FDG).
